

1.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Pull a list of customer ids with the customer's full name, and address, along with combining their city and country together. Be sure to make a space in between these two and make it UPPER CASE. (e.g. LOS ANGELES USA)

```
1 select customerid, address,
2 firstname || ' ' || lastname as fullname,
3 upper(city || ' ' || country) as citycountry
4 from customers
```

Run

Reset

CustomerID	Address	fullname	citycountry
1	Av. Brigadeiro Faria Lima, 2170	Luís Gonçalves	SÃO JOSÉ DOS CAMPOS BRAZIL
2	Theodor-Heuss-Straße 34	Leonie Köhler	STUTTGART GERMANY
3	1498 rue Bélanger	François Tremblay	MONTRÉAL CANADA
4	Ullevålsveien 14	Bjørn Hansen	OSLO NORWAY
5	Klanova 9/506	František Wichterlová	PRAGUE CZECH REPUBLIC
6	Rilská 3174/6	Helena Holý	PRAGUE CZECH REPUBLIC
7	Rotenturmstraße 4, 1010 Innere Stadt	Astrid Gruber	VIENNE AUSTRIA
8	Grétrystraat 63	Daan Peeters	BRUSSELS BELGIUM
9	Sønder Boulevard 51	Kara Nielsen	COPENHAGEN DENMARK
10	Rua Dr. Falcão Filho, 155	Eduardo Martins	SÃO PAULO BRAZIL
11	Av. Paulista, 2022	Alexandre Rocha	SÃO PAULO BRAZIL
12	Praça Pio X, 119	Roberto Almeida	RIO DE JANEIRO BRAZIL
13	Qe 7 Bloco G	Fernanda Ramos	BRASÍLIA BRAZIL
14	8210 111 ST NW	Mark Philips	EDMONTON CANADA
15	700 W Pender Street	Jennifer Peterson	VANCOUVER CANADA
16	1600 Amphitheatre Parkway	Frank Harris	MOUNTAIN VIEW USA
17	1 Microsoft Way	Jack Smith	REDMOND USA
18	627 Broadway	Michelle Brooks	NEW YORK USA
19	1 Infinite Loop	Tim Goyer	CUPERTINO USA
20	541 Del Medio Avenue	Dan Miller	MOUNTAIN VIEW USA
21	801 W 4th Street	Kathy Chase	RENO USA
22	120 S Orange Ave	Heather Leacock	ORLANDO USA
23	69 Salem Street	John Gordon	BOSTON USA
24	162 E Superior Street	Frank Ralston	CHICAGO USA
25	319 N. Frances Street	Victor Stevens	MADISON USA

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What is the city and country result for CustomerID 16?

MOUNTAIN VIEW USA

✓ Correct

2.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Create a new employee user id by combining the first 4 letters of the employee's first name with the first 2 letters of the employee's last name. Make the new field lower case and pull each individual step to show your work.

```
1 select
2 substr(firstname, 1, 4) as fname,
3 substr(lastname, 1, 2) as lname,
4 substr(firstname, 1, 4) || substr(lastname, 1, 2) as userid,
5 lower(substr(firstname, 1, 4) || substr(lastname, 1, 2)) as luserid
6 from employees
```

Run

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fname	lname	userid	luserid
Andr	Ad	AndrAd	andrAd
Nanc	Ed	NancEd	nancEd
Jane	Pe	JanePe	janePe
Marg	Pa	MargPa	margPa
Stev	Jo	StevJo	stevJo
Mich	Mi	MichMi	michMi
Robe	Ki	RobeKi	robeKi
Laur	Ca	LaurCa	laurCa

What is the final result for Robert King?

robeki

✔ Correct

3.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Show a list of employees who have worked for the company for 15 or more years using the current date function. Sort by lastname ascending.

1   select \* from employees

2   where date(('now') - hiredate) >= 15

3   order by lastname asc

Run

Reset

EmployeeId	LastName	FirstName	Title	ReportsTo	BirthDate	HireDate	Address
1	Adams	Andrew	General Manager	None	1962-02-18 00:00:00	2002-08-14 00:00:00	11120 Jasper Ave NW
8	Callahan	Laura	IT Staff	6	1968-01-09 00:00:00	2004-03-04 00:00:00	923 7 ST NW
2	Edwards	Nancy	Sales Manager	1	1958-12-08 00:00:00	2002-05-01 00:00:00	825 8 Ave SW
5	Johnson	Steve	Sales Support Agent	2	1965-03-03 00:00:00	2003-10-17 00:00:00	7727B 41 Ave
7	King	Robert	IT Staff	6	1970-05-29 00:00:00	2004-01-02 00:00:00	590 Columbia Boulevard West
6	Mitchell	Michael	IT Manager	1	1973-07-01 00:00:00	2003-10-17 00:00:00	5827 Bowness Road NW
4	Park	Margaret	Sales Support Agent	2	1947-09-19 00:00:00	2003-05-03 00:00:00	683 10 Street SW
3	Peacock	Jane	Sales Support Agent	2	1973-08-29 00:00:00	2002-04-01 00:00:00	1111 6 Ave SW

What is the lastname of the last person on the list returned?

Peacock

✔ Correct

4.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Profiling the Customers table, answer the following question.

1   select \* from customers where phone is null

Run

Reset

CustomerId	FirstName	LastName	Company	Address	City	State	Country	PostalCode	Phone	Fax	Email
45	Ladislav	Kovács	None	Erzsébet krt. 58.	Budapest	None	Hungary	H-1073	None	None	ladislav_kovacs@app

Are there any columns with null values? Indicate any below. Select all that apply.

✔ Fax

✔ Correct

✔ Postal Code

✓ Correct

- ☐ Address
- ☐ FirstName
- ☒ Phone

✓ Correct

- ☒ Company

✓ Correct

5.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Find the cities with the most customers and rank in descending order.

```
1 select city, count(*)
2 from customers
3 group by city
4 order by count(*) desc
```

Run

Reset

City	count(*)
Berlin	2
London	2
Mountain View	2
Paris	2
Prague	2
São Paulo	2
Amsterdam	1
Bangalore	1
Bordeaux	1
Boston	1
Brasília	1
Brussels	1
Budapest	1
Buenos Aires	1
Chicago	1
Copenhagen	1
Cupertino	1
Delhi	1
Dijon	1
Dublin	1
Edinburgh	1
Edmonton	1
Fort Worth	1
Frankfurt	1
Halifax	1

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Which of the following cities indicate having 2 customers?

- ☐ Dublin
- ☒ Mountain View

✓ Correct

- ☒ São Paulo

✓ Correct

☒ London

 **Correct**

☐ Frankfurt

☐ Budapest

6.All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Create a new customer invoice id by combining a customer’s invoice id with their first and last name while ordering your query in the following order: firstname, lastname, and invoiceID.

```
1  select c.firstname || c.lastname || i.invoiceid as invoiceid
2  from invoices as i inner join customers as c on i.customerid = c.customerid
3  order by c.firstname, c.lastname, i.invoiceid
```

Run

Reset

```
+-----+
| invoiceid |
+-----+
| AaronMitchell150 |
| AaronMitchell161 |
| AaronMitchell116 |
| AaronMitchell245 |
| AaronMitchell268 |
| AaronMitchell290 |
| AaronMitchell342 |
| AlexandreRocha57 |
| AlexandreRocha68 |
| AlexandreRocha123 |
| AlexandreRocha252 |
| AlexandreRocha275 |
| AlexandreRocha297 |
| AlexandreRocha349 |
| AstridGruber78 |
| AstridGruber89 |
| AstridGruber144 |
| AstridGruber273 |
| AstridGruber296 |
| AstridGruber318 |
| AstridGruber370 |
| BjørnHansen2 |
| BjørnHansen24 |
| BjørnHansen76 |
| BjørnHansen197 |
+-----+
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```

Select all of the correct "AstridGruber" entries that are returned in your results below. Select all that apply.

☒ AstridGruber273

 **Correct**

☒ AstridGruber296

 **Correct**

☐ AstridGruber354

☒ AstridGruber370

 **Correct**

☐ AstridGruber408

☐ AstridGruber456